Title (en)

Inflation aspirator with collapsible barrel

Title (de)

Aspirateur pour gonflement avec corps central démontable

Title (fr)

Aufpumpsauger mit zusammenklappbarer Trommel

Publication

EP 2243963 A2 20101027 (EN)

Application

EP 10156477 A 20100315

Priority

US 42514509 A 20090416

Abstract (en)

An aspirator for inflating an aircraft evacuation slide, emergency raft or other inflatable device includes a flexible, collapsible aspirator barrel that is inflated during operation to form a substantially rigid tube. According to one embodiment, the inflatable support member receives a flow of high pressure air directly from the aspirator injector nozzle assembly. According to another embodiment, the collapsible aspirator barrel receives a flow of high pressure gas directly from the high pressure inflation source. Because the aspirator barrel of the present invention is collapsible, the present invention occupies significantly less space when stored than an equivalent aspirator with a rigid aspirator barrel.

IPC 8 full level

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CPC (source: EP US)

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